

TOSHIBA



DVD VIDEO/AUDIO PLAYER SD-4800

OWNER'S MANUAL



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79077215

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The design of this shaft is in accordance with the applicable standards. The shaft is made of stainless steel and has a minimum length of 3 mm. The shaft is made of stainless steel and has a minimum length of 3 mm. The shaft is made of stainless steel and has a minimum length of 3 mm.

Loading batteries

Do not touch the battery pack until you are ready to use it. Do not touch the battery pack until you are ready to use it. Do not touch the battery pack until you are ready to use it.

Open the cover

In the spaces provided below, record the Model and Serial Number of the remote control. In the spaces provided below, record the Model and Serial Number of the remote control. In the spaces provided below, record the Model and Serial Number of the remote control.

Model No. Serial No.

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Operating with the remote control

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Do not use any abrasive cleaner or antistatic 23

Do not use any abrasive cleaner or antistatic 23

Do not use any abrasive cleaner or antistatic 23

Identification (Continued)

See the markings in this manual describe the functions of the remote control. See the page in for details.

WARNING: RISK OF ELECTRIC SHOCK. DO NOT OPEN. The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be sufficient to cause electrocution if the user touches internal components.

Remote control

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR OPENING USER SERVICEABLE PARTS. INSIDE, REFER SERVICING TO QUALIFIED PERSONNEL. The DVD player is a high technology precision device. If the optical pick-up lens is dirty or damaged, the picture quality will be poor. To clean the lens, use a soft, lint-free cloth. Do not use any liquid or abrasive cleaners. Do not touch the lens. If the lens is damaged, the picture quality will be poor. To replace the lens, contact an authorized service location.

Notes on region numbers
If you do not see the region number on the disc, the disc may be a "region free" disc. In this case, the DVD player will display "REGION FREE" on the screen.

Notes on locating
The DVD player is a high technology precision device. If the optical pick-up lens is dirty or damaged, the picture quality will be poor. To clean the lens, use a soft, lint-free cloth. Do not use any liquid or abrasive cleaners. Do not touch the lens. If the lens is damaged, the picture quality will be poor. To replace the lens, contact an authorized service location.

On VHS Tapes
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Rear panel
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Notes on cleaning
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To obtain a clear picture
The DVD player is a high technology precision device. If the optical pick-up lens is dirty or damaged, the picture quality will be poor. To clean the lens, use a soft, lint-free cloth. Do not use any liquid or abrasive cleaners. Do not touch the lens. If the lens is damaged, the picture quality will be poor. To replace the lens, contact an authorized service location.

WARNING: SELCA
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Changes or modifications made to this equipment, not expressly approved by Toshiba, or parties authorized by Toshiba, could void the user's authority to operate the equipment.

Playable discs

Moisture condensation occurs during the DVD playback. To prevent moisture condensation, do not use the DVD player in a room where the humidity is high.

Notes on locating
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See instructions in this manual describe the functions of the remote controls. For details, see the page in the manual.

WARNING The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure.

THIS WORK IS PLAGIARISM AND OTHER ILLEGAL ACTS OF

100-443617-10

“The team is in the process of releasing the DVD player to the public and will be available in the near future.”

Notes on region numbers

ENCLOSURE DO NOT OPEN THE

disc playback will not be allowed by the player. In the case of the 16:9 players, the display shows 11.55 on screen.

RETURN button

table. The loaded size is 200. The loaded disc may come on the floppy disk position and under the name of the file.

source may be distorted. In this case, place the DVD player away from the TV set, radio, or VCR.

VIDEO CD equipped with PBC function. When connecting to a computer, the video CD will be automatically recognized as a CD-ROM. Visible and invisible laser irradiation will be performed on the cap and the label.

● For stubborn dirt, soak the cloth in a weak detergent

benzene, as they may damage the surface of the CD manual, may not work with some discs. - B13: BREAK

However, there is no guarantee that

The DVD player is a high technology precision device. the optical pick-up lens and disc drive parts are dirty or

connected. AUDIO ANALOG OUT

parties authorized by Toshiba, could

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This unit will protect you if you observe the following:

Moisture condensation starts on the inside when you heat and maintain it (see [Wingfield Manual](#) on the literature shelf) and cold drip into a glass on a warm day. Drops of sweat on the forehead.

CH VOL VOLUME 68

REMOTE VIDEO AGY NAVI button 48 8 cm THE NE

Moisture condensation occurs during the
 HIDE BLADE OF PLUG TO WIDE FULLY

When you use the DVD player in a room where you just turned off the heater or if a place isn't quite cold

For more information, contact an authorized service location.

FL DIMMER SLOW buttons 29

16. Press the **SELECT** button. (15, 8, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 8

CM can radiate radio frequency energy. If not installed properly, use the discs placed in normal situation, it may

interference will not occur if a particular laser line two or three hours after the first DSDA To do one DSDA player interference may or may not depend upon, which can be

moisture condensation will seldom occur.

Power cord

acks 18 19 menu included on many DVD video discs. To operate a menu, follow the

ould the user's authority to operate the equipment.

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The design of this shaft is in accordance with the applicable standards. The shaft contains a seal of at least 3 mm in diameter and shall be maintained in the electrical installation of the building.

Loading batteries

Do not touch the battery pack until you are ready to connect it to the device. The battery pack is designed to be used with the device. Do not use any other type of battery pack.

Open the cover

In the spaces provided below, record the Model and Serial Number of the device. The Model Number is located on the rear panel of the device. The Serial Number is located on the front panel of the device.

Do not use any other type of battery pack. The device is designed to be used with the device. Do not use any other type of battery pack.

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Do not attach paper or tape to discs. Do not use any other type of battery pack.

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Connecting to a PC/LCD monitor 52

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Connecting to a PC/LCD monitor 51

Connecting to a PC/LCD monitor 52

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Connections

Regular disc playback can be controlled using the remote control. To direct playback, without manipulating the disc, refer to the following preparations. To direct playback, without manipulating the disc, refer to the following preparations. To direct playback, without manipulating the disc, refer to the following preparations.

- **Placing Disc in Specific Location**
- **Connecting to a TV function**
- **Variable Speed Playback**
- **Settings**
- **Connecting to an audio system**
- **Using the measured section**
- **and a V equipped with**
- **Playing from the Order CD**
- **component video inputs**
- **Selecting the Playback Function**
- **Connecting to an amplifier**
- **equipped with a Dolby Digital**
- **decoder**
- **Accessing Features**
- **Accessing the Sound**
- **Enhancement (E.A.M.)**
- **Connecting to an amplifier**
- **equipped with Dolby Surround**
- **Pro Logic**
- **Selecting Subtitles**
- **Connecting to an amplifier**
- **equipped with a DTS decoder**
- **Connecting to an amplifier**
- **equipped with an MPEG2 audio**
- **decoder**
- **Connecting to an amplifier**
- **equipped with 5.1ch audio**
- **inputs**
- **Connecting to an amplifier**
- **equipped with a digital audio**
- **input**

How to

ACED outputs/inputs (ColorStream™) Some TVs or monitors are equipped with component video inputs that are capable of reproducing a progressive scan signal. These inputs allow you to play some pictures that may appear on the TV screen scanned line signal. Connecting these inputs allows for component video inputs and many pictures on the TV to view the highest quality pictures with less flicker and tearing on the TV manufacturer (except for Philips and Sony) and the TV disc with this DVD player. This generally reduces the color levels of the playback. In some TV or monitors, the color levels of the playback.

PROGRESSIVE outputs/inputs (ColorStream™ Pro) Some TVs or monitors are equipped with component video inputs that are capable of reproducing a progressive scan signal. These inputs allow you to play some pictures that may appear on the TV screen scanned line signal. Connecting these inputs allows for component video inputs and many pictures on the TV to view the highest quality pictures with less flicker and tearing on the TV manufacturer (except for Philips and Sony) and the TV disc with this DVD player. This generally reduces the color levels of the playback. In some TV or monitors, the color levels of the playback.

DVD player / outputs / supplied accessories Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201 **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Connecting to an amplifier equipped with 5.1ch audio inputs Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Desired section by entering the corresponding number Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press PLAY/PAUSE button Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press STOP button Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press EJECT button Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press STILL button Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press SLEEP button Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press OPEN/CLOSE button Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press STILL button Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

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Press STILL button Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

For component video inputs may vary pictures on the screen. You to view the highest quality pictures with less flicker and
depending on the TV manufacturer (e.g. Philips, Pioneer, Yamaha, etc.). This also works with the DOLBY SRP system. It generally reduces
CEN 50 Hz. The U.S. ETC only call the TACP the standard for 60 Hz. Both your TV have an input for the DOLBY SRP system. Within (30)
in some TVs or monitors the color levels of the picture.

Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be

Power Supply	0201	0251	0261	0271	0281	0291	0301	0311	0321	0331	0341	0351	0361	0371	0381	0391	0401	0411	0421	0431	0441	0451	0461	0471	0481	0491	0501
CARVE CARVE II CARVE III	0201	0251	0261	0271	0281	0291	0301	0311	0321	0331	0341	0351	0361	0371	0381	0391	0401	0411	0421	0431	0441	0451	0461	0471	0481	0491	0501

Toll Free
800-631-3811

Slase and (The) ill you have in a busy write; (514)-866-1100 043 0661 0791
Slase and (The)  ill you have in a busy write; (514)-866-1100 043 0661 0791

EVIDENCE VIDEO

For complete information on all our products and services, visit us online at www.3m.com or call 1-800-451-3031. © 2004 3M Company. All rights reserved.

Temperature: 5 °C to 50 °C (operational range)

Outputs

must be purchased from an Authorized Dealer. (C) 2000 V. Pro. All rights reserved.

Medicinska fakulteta, Oddelek za klinično imunologijo, Ljubljana, Slovenija

• You can temporarily switch the output signal for better removing the disc. Enter the key number again if necessary.

the indicator on the right side on the front panel.

Optical digital cable

Notes

- Batteries (AAA) 2
- Refer to the owner's manual for the connected equipment as well.

• If you place a DVD player near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the DVD player away from the tuner or radio.

- Turn off the amplifier before you connect or disconnect the DVD player's power cord. If you leave the amplifier power on, the speakers may be damaged from the amplifier going into protection mode.

normal playback, then use the SKIP or button.

CAUTION

For details of output sound, see [43](#)

For details of output sound, see **43**:

You can operate the basic functions of selected TVs

You can operate the basic functions of selected TVs using the supplied remote control.

Symptoms and correction

charge to you. You must deliver the entire product to a

Amperes (A) = Watts (W) / Volts (V) = 1000 / 120 = 8.33 A

- Bit rate 32 kbps-320 kbps.

• The names are limited to eight characters, orders and

- File names cannot contain special characters such as

When the DVD player is turned on for

or pale, a very attractive woman with a heavy-lidded gaze and a
 a bouquet of flowers. She is wearing a red dress and a red hat.

noises may be heard ENTER button

start playback.

MPEG2 sound

LEADERSHIP IN 5700 THE FRAMEWORKS

request to contact PGL. In Hawaii, concerns are addressed by a suppression of the PLAY button.

Buttons do not work. To OK it, Power supply fluctuations o

to select the title you

The diagram shows a top menu bar with a dropdown arrow pointing to a list of items. The items in the list are:

- File
- Edit
- Format
- Tools
- Window
- Help

designated **Interim** or **Contingent** is to be

When you connect the DVD player to your TV, be sure to

Do not place a disc which is unplayable in this supplied) and then connect to your TV.

the playback picture may be distorted as DVD video discs

operating this walkout. You should complete and mail the

```

n = np.random.randint(55, 61) # Otherwise, pick a value from 55 to 60

```

Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7	Group 8	Group 9	Group 10	Group 11	Group 12	Group 13	Group 14	Group 15	Group 16	Group 17	Group 18	Group 19	Group 20	Group 21	Group 22	Group 23	Group 24	Group 25	Group 26	Group 27	Group 28	Group 29	Group 30	Group 31	Group 32	Group 33	Group 34	Group 35	Group 36	Group 37	Group 38	Group 39	Group 40	Group 41	Group 42	Group 43	Group 44	Group 45	Group 46	Group 47	Group 48	Group 49	Group 50	Group 51	Group 52	Group 53	Group 54	Group 55	Group 56	Group 57	Group 58	Group 59	Group 60	Group 61	Group 62	Group 63	Group 64	Group 65	Group 66	Group 67	Group 68	Group 69	Group 70	Group 71	Group 72	Group 73	Group 74	Group 75	Group 76	Group 77	Group 78	Group 79	Group 80	Group 81	Group 82	Group 83	Group 84	Group 85	Group 86	Group 87	Group 88	Group 89	Group 90	Group 91	Group 92	Group 93	Group 94	Group 95	Group 96	Group 97	Group 98	Group 99	Group 100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

Have you also been thinking about the audio?

The output lacks of the DVD player are

the audio cable.

(4) **11** Select the disc and clean it. 9

(5) **2 Release** the top video input (yellow) audio/video inputs

- Some discs present perforations especially inadequate

9 The result (type) is a map of `Player` to `Player` that does not extend to an

the MPEG2 recording system.

Make the following setting:

ack, * These operations may prevent a proper

On the front panel for more than about 3

player may resume playback from the point where you first

When using a DVD audio disc, the DVD player resumes

- This method of locating a title is available only on a disc

displays the top menu as TITLE button.

the DVD player to a VCR. TV/VCR combination or video select

How to

ACED outputs/inputs (ColorStream™) Some TVs or monitors are equipped with component video inputs that are capable of reproducing a progressive scan picture. These inputs allow you to play some pictures that may appear on the TV screen scanned line signal. Connecting these inputs allows for component video inputs and many pictures on the TV to view the highest quality pictures with less flicker and tearing on the TV manufacturer (except for Philips and Sony) and the TV is disc with this DVD (Progressive) and generally reduce the color levels of the playback.

PROGRESSIVE outputs/inputs (ColorStream™ Pro) Some TVs or monitors are equipped with component video inputs that are capable of reproducing a progressive scan picture. These inputs allow for component video inputs and many pictures on the TV to view the highest quality pictures with less flicker and tearing on the TV manufacturer (except for Philips and Sony) and the TV is disc with this DVD (Progressive) and generally reduce the color levels of the playback.

Arranging for the delivery of the product to the TACP/THI/TCL Authorized Service Station or TACP Return Center. Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed. **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201 **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Connecting to an amplifier equipped with 5.1 audio inputs In Canada Contact: 1041 0501 **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Desired section by entering the corresponding number **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press PLAY on the remote control **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the OPEN/CLOSE button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the PLAY button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the OPEN/CLOSE button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the PLAY button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the OPEN/CLOSE button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the PLAY button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the OPEN/CLOSE button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the PLAY button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the OPEN/CLOSE button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the PLAY button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the OPEN/CLOSE button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the PLAY button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Press the OPEN/CLOSE button **PAUSE/STEP** 0077 DVD: DVD video discs. **DPA**: DVD audio discs. **0077** 1081 1091 0201

Connections

Regular disc playback can be controlled using the remote control. To direct playback, without manipulating the disc, refer to the following preparations. To direct playback, without manipulating the disc, refer to the following preparations. To direct playback, without manipulating the disc, refer to the following preparations.

- **Placing Disc in Specific Location**
- **Connecting to a TV function**
- **Variable Speed Playback**
- **Settings**
- **Connecting to an audio system**
- **Using the measured section**
- **and a V equipped with**
- **Playing from the Order CD**
- **component video inputs**
- **Selecting the Playback Function**
- **Connecting to an amplifier**
- **equipped with a Dolby Digital**
- **decoder**
- **Accessing Features**
- **Accessing the Sound**
- **Enhancement (E.A.M.)**
- **Connecting to an amplifier**
- **equipped with Dolby Surround**
- **Pro Logic**
- **Selecting Subtitles**
- **Connecting to an amplifier**
- **equipped with a DTS decoder**
- **Connecting to an amplifier**
- **equipped with an MPEG2 audio**
- **decoder**
- **Connecting to an amplifier**
- **equipped with 5.1ch audio**
- **inputs**
- **Connecting to an amplifier**
- **equipped with a digital audio**
- **input**

How to

ED outputs/inputs (ColorStream™) vs. progressive outputs/inputs (ColorStream™ Pro). Some TVs or monitors are equipped with component video inputs that are capable of reproducing a progressive video signal. These inputs allow you to play some pictures that may appear on the TV screen scanned line signal. Connecting these inputs allows for the highest quality pictures with less flicker and better definition on the TV manufacturer (except for Philips and Sony) and the TV is disc with this DVD. This problem should be generally reduced by the U.S. and only call the TACP toll-free number 800-631-3811 on your TV screen. In some TV or monitors, the color levels of the playback may be different from the original video.

(3) Arrange for the delivery of the product to the TACP/TH/TCL Authorized Service Station or TACP Return Center. Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be included. **PAUSE/STEP** 0071 DVD: DVD video discs. **PLAY** 1081 1091 0201 DVD: DVD audio discs. **STOP** 0071 1081 1091 0201

Connecting to an amplifier equipped with 5.1 audio inputs
Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be included. **PAUSE/STEP** 0071 DVD: DVD video discs. **PLAY** 1081 1091 0201 DVD: DVD audio discs. **STOP** 0071 1081 1091 0201

Desired section by entering the corresponding number
Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be included. **PAUSE/STEP** 0071 DVD: DVD video discs. **PLAY** 1081 1091 0201 DVD: DVD audio discs. **STOP** 0071 1081 1091 0201

Service Locations:

- Alaska:** 0201 0251 0261 0271 0281 0291 0301 0311 0321 0331 0341 0351 0361 0371 0381 0391 0401 0411 0421 0431 0441 0451 0461 0471 0481 0491 0501 0511 0521 0531 0541 0551 0561 0571 0581 0591 0601 0611 0621 0631 0641 0651 0661 0671 0681 0691 0701 0711 0721 0731 0741 0751 0761 0771 0781 0791 0801 0811 0821 0831 0841 0851 0861 0871 0881 0891 0901 0911 0921 0931 0941 0951 0961 0971 0981 0991 1001 1011 1021 1031 1041 1051 1061 1071 1081 1091 1101 1111 1121 1131 1141 1151 1161 1171 1181 1191 1201 1211 1221 1231 1241 1251 1261 1271 1281 1291 1301 1311 1321 1331 1341 1351 1361 1371 1381 1391 1401 1411 1421 1431 1441 1451 1461 1471 1481 1491 1501 1511 1521 1531 1541 1551 1561 1571 1581 1591 1601 1611 1621 1631 1641 1651 1661 1671 1681 1691 1701 1711 1721 1731 1741 1751 1761 1771 1781 1791 1801 1811 1821 1831 1841 1851 1861 1871 1881 1891 1901 1911 1921 1931 1941 1951 1961 1971 1981 1991 2001 2011 2021 2031 2041 2051 2061 2071 2081 2091 2101 2111 2121 2131 2141 2151 2161 2171 2181 2191 2201 2211 2221 2231 2241 2251 2261 2271 2281 2291 2301 2311 2321 2331 2341 2351 2361 2371 2381 2391 2401 2411 2421 2431 2441 2451 2461 2471 2481 2491 2501 2511 2521 2531 2541 2551 2561 2571 2581 2591 2601 2611 2621 2631 2641 2651 2661 2671 2681 2691 2701 2711 2721 2731 2741 2751 2761 2771 2781 2791 2801 2811 2821 2831 2841 2851 2861 2871 2881 2891 2901 2911 2921 2931 2941 2951 2961 2971 2981 2991 3001 3011 3021 3031 3041 3051 3061 3071 3081 3091 3101 3111 3121 3131 3141 3151 3161 3171 3181 3191 3201 3211 3221 3231 3241 3251 3261 3271 3281 3291 3301 3311 3321 3331 3341 3351 3361 3371 3381 3391 3401 3411 3421 3431 3441 3451 3461 3471 3481 3491 3501 3511 3521 3531 3541 3551 3561 3571 3581 3591 3601 3611 3621 3631 3641 3651 3661 3671 3681 3691 3701 3711 3721 3731 3741 3751 3761 3771 3781 3791 3801 3811 3821 3831 3841 3851 3861 3871 3881 3891 3901 3911 3921 3931 3941 3951 3961 3971 3981 3991 4001 4011 4021 4031 4041 4051 4061 4071 4081 4091 4101 4111 4121 4131 4141 4151 4161 4171 4181 4191 4201 4211 4221 4231 4241 4251 4261 4271 4281 4291 4301 4311 4321 4331 4341 4351 4361 4371 4381 4391 4401 4411 4421 4431 4441 4451 4461 4471 4481 4491 4501 4511 4521 4531 4541 4551 4561 4571 4581 4591 4601 4611 4621 4631 4641 4651 4661 4671 4681 4691 4701 4711 4721 4731 4741 4751 4761 4771 4781 4791 4801 4811 4821 4831 4841 4851 4861 4871 4881 4891 4901 4911 4921 4931 4941 4951 4961 4971 4981 4991 5001 5011 5021 5031 5041 5051 5061 5071 5081 5091 5101 5111 5121 5131 5141 5151 5161 5171 5181 5191 5201 5211 5221 5231 5241 5251 5261 5271 5281 5291 5301 5311 5321 5331 5341 5351 5361 5371 5381 5391 5401 5411 5421 5431 5441 5451 5461 5471 5481 5491 5501 5511 5521 5531 5541 5551 5561 5571 5581 5591 5601 5611 5621 5631 5641 5651 5661 5671 5681 5691 5701 5711 5721 5731 5741 5751 5761 5771 5781 5791 5801 5811 5821 5831 5841 5851 5861 5871 5881 5891 5901 5911 5921 5931 5941 5951 5961 5971 5981 5991 6001 6011 6021 6031 6041 6051 6061 6071 6081 6091 6101 6111 6121 6131 6141 6151 6161 6171 6181 6191 6201 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8211 8221 8231 8241 8251 8261 8271 8281 8291 8301 8311 8321 8331 8341 8351 8361 8371 8381 8391 8401 8411 8421 8431 8441 8451 8461 8471 8481 8491 8501 8511 8521 8531 8541 8551 8561 8571 8581 8591 8601 8611 8621 8631 8641 8651 8661 8671 8681 8691 8701 8711 8721 8731 8741 8751 8761 8771 8781 8791 8801 8811 8821 8831 8841 8851 8861 8871 8881 8891 8901 8911 8921 8931 8941 8951 8961 8971 8981 8991 9001 9011 9021 9031 9041 9051 9061 9071 9081 9091 9101 9111 9121 9131 9141 9151 9161 9171 9181 9191 9201 9211 9221 9231 9241 9251 9261 9271 9281 9291 9301 9311 9321 9331 9341 9351 9361 9371 9381 9391 9401 9411 9421 9431 9441 9451 9461 9471 9481 9491 9501 9511 9521 9531 9541 9551 9561 9571 9581 9591 9601 9611 9621 9631 9641 9651 9661 9671 9681 9691 9701 9711 9721 9731 9741 9751 9761 9771 9781 9791 9801 9811 9821 9831 9841 9851 9861 9871 9881 9891 9901 9911 9921 9931 9941 9951 9961 9971 9981 9991 10001 10011 10021 10031 10041 10051 10061 10071 10081 10091 10101 10111 10121 10131 10141 10151 10161 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CAUTION

For details of output sound, see **43**

ON/STA

using the supplied remote control

Symptoms and correction

charge to you. You must deliver the entire product to a

Am I from the real world? I'm not. I'm from a world where you live in the

self-transportation and insurance charges for the unit to _____ or the _____.

- Bit rate 32 kbps-320 kbps

With a new line of telephones, the company's modular phone frames are
 • The phones are limited to about 100 different models.

• To adjust the audio receiver or TV

When the PVP player is injured on for

or parent, and the children with a few of her finished products.

retail purchase you pay labor charges (supplied) in the
noise abatement. Enter D in column 1.

for all transportation and insurance charges for the unit to

MPEG2 SOUND

Lebanon, 1957, before making any connections.

request to contact FCI. In Taiwan, consumers are

Buttons do not work. To OK, **Power** button. **Power** button. **Power** button.

whichever comes first. **Click** to select the title you

At the times in the top menu are

designated • The remote control is unusable

- When you connect the DVD player to your TV, be sure to

supplied) and then connect to your TV.

copy protected.

For component video inputs may vary pictures on the screen. You to view the highest quality pictures with less flicker and
depending on the TV manufacturer (e.g. Philips, Pioneer, Yamaha, etc.). This also works with the DOLBY SRP system. It generally reduces
CEN 50. The U.S. ETC only call the TACP the standard for 2001 state both your TV have one. (DOLBY SRP) video input
In some TVs or monitors, the color levels of the picture back.

Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be

[illegible]

Toll Free
800-631-3811

Slase and (The) if you have a write: (514)-866-1100 043 0661 0791

[illegible]

For complete information on all our products and services, visit us online at www.3m.com or call 1-800-451-3031. © 2004 3M Company. All rights reserved.

Temperature: 5 °C to 50 °C (operational temperature range)

Outputs

must be purchased from an Authorized Dealer. (C) 2000 V. Pro. If purchased directly from the manufacturer, the product must be purchased from an Authorized Dealer.

Medicinska fakulteta, Oddelek za klinično laboratorijsko diagnostiko, Ljubljana, Slovenija

• You can temporarily switch the output signal for better removing the disc. Enter the key number again if necessary.

the indicator on the right side on the front panel.

Optical digital cable

Notes

- Batteries (AAA) 2
- Refer to the owner's manual for the connected equipment as well.

• If you place a DVD player near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the DVD player away from the tuner or radio.

- Turn off the amplifier before you connect or disconnect the DVD player's power cord. If you leave the amplifier power on, the speakers may be damaged from the amplifier going into protection mode.

normal playback, then use the SKIP or button.

CAUTION Please read the following information carefully before using this product. If you are not a purchaser or transferee, please return this set to the original purchaser or to the person receiving this set as a gift. For details of output sound, see 145. You can operate the basic functions of selected TVs using the supplied remote control.

Toshiba America Consumer Products, Inc. ("TACP"), Toshiba Hawaii (Japan), and Toshiba Canada (Canada) make the following limited warranty for the limited time period and under the conditions stated below. This warranty is not a contract. For details of output sound, see 145. You can operate the basic functions of selected TVs using the supplied remote control.

Limited Ninety (90) Day Warranty
TACP warrants its product against defects in materials or workmanship for a period of ninety (90) days after the date of original retail purchase. During this period, TACP will repair or replace a defective product or part, at their option, with a new or refurbished product or part without charge to you. You must deliver the entire product to a TACP authorized service center for repair or replacement. All transportation and insurance charges for the unit to and from the service center will be the responsibility of the purchaser. This warranty is void if the product is damaged, altered, or modified in any way. This warranty does not cover accessories, including remote controls, or any other parts not supplied by TACP. This warranty is not a contract. For details of output sound, see 145.

Operating a TV with the remote control
The remote control can be used to operate the TV. To use the remote control, first check the batteries. If the batteries are low, the remote control will not work properly. To replace the batteries, open the battery cover on the back of the remote control. Insert the batteries with the correct polarity. Close the battery cover. The remote control will now work properly. For more information, see the remote control manual.

Connecting the DVD player to the TV
To connect the DVD player to the TV, use the supplied cables. Connect the DVD player to the TV's video input. Connect the DVD player's audio output to the TV's audio input. If you are using a Y cable adapter, connect the DVD player to the TV's video input and the Y cable adapter to the TV's audio input. If you are using a VCR, connect the DVD player to the VCR's video input and the VCR to the TV's video input. If you are using a video selector, connect the DVD player to the video selector's video input and the video selector to the TV's video input.

Using the DVD player to play discs
To play a DVD disc, insert the disc into the DVD player's disc tray. Press the play button on the DVD player's remote control. The DVD player will start playing the disc. To stop the DVD player, press the stop button on the remote control. To pause the DVD player, press the pause button on the remote control. To fast forward the DVD player, press the fast forward button on the remote control. To fast reverse the DVD player, press the fast reverse button on the remote control. To still the DVD player, press the still button on the remote control. To repeat the DVD player, press the repeat button on the remote control. To skip forward the DVD player, press the skip forward button on the remote control. To skip backward the DVD player, press the skip backward button on the remote control. To toggle the DVD player, press the toggle button on the remote control. To return to the top menu of the DVD player, press the top menu button on the remote control.

Playing a title using the top menu
The top menu of the DVD player allows you to select a title to play. To access the top menu, press the top menu button on the DVD player's remote control. The top menu will appear on the DVD player's screen. Use the arrow keys on the remote control to select a title. Press the enter button on the remote control to play the selected title. The DVD player will start playing the selected title. To return to the top menu, press the top menu button on the remote control.

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Notes
• Refer to the owner's manual for more information.
• When you connect the DVD player to your TV, be sure to turn off the guide, it may damage the disc and cause the making any connections.
• If your television set has one audio input, connect the left and right audio outputs of the DVD player to a Y cable adapter (not supplied) and then connect to your TV.
• Connect the DVD player directly to your TV. If you connect the DVD player to a VCR, TV/VCR combination or video selector, the playback picture may be distorted as DVD video discs are copy protected.

CAUTION Please read the following information carefully before using this product. If you are not a purchaser or transferee, please return this set to the original purchaser or to the person receiving this set as a gift. For details of output sound, see 145. You can operate the basic functions of selected TVs using the supplied remote control.

Toshiba America Consumer Products, Inc. ("TACP"), Toshiba Hawaii (Japan), and Toshiba Canada (Canada) make the following limited warranty for the limited time period and under the conditions stated below. This warranty is not a contract. For details of output sound, see 145. You can operate the basic functions of selected TVs using the supplied remote control.

Commercial Units
Products sold and used for commercial use have a limited ninety (90) day warranty for all parts and labor.

Owner's Manual
You should read the owner's manual thoroughly before operating this product. You should complete and mail the enclosed Demographic Card within ten (10) days after you or the person who has given you this product as a gift.

Operating a TV with the remote control
The remote control can be used to operate the TV. To use the remote control, first check the batteries. If the batteries are low, the remote control will not work properly. To replace the batteries, open the battery cover on the back of the remote control. Insert the batteries with the correct polarity. Close the battery cover. The remote control will now work properly. For more information, see the remote control manual.

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• Refer to the owner's manual for more information.
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• Connect the DVD player directly to your TV. If you connect the DVD player to a VCR, TV/VCR combination or video selector, the playback picture may be distorted as DVD video discs are copy protected.

For component video inputs may vary pictures on the screen. To view the highest quality pictures with less flicker, you should set the TV to the highest refresh rate. This is done with the **Refresh** button on the TV. Generally, the refresh rate of the TV should be set to 60 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 50 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 30 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 15 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 7.5 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 3.75 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 1.875 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.9375 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.46875 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.234375 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.1171875 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.05859375 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.029296875 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.0146484375 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.00732421875 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.003662109375 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.0018310546875 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.00091552734375 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.000457763671875 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.0002288818359375 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.00011444091796875 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.000057220458984375 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.0000286102294921875 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.00001430511474609375 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.000007152557373046875 Hz. This will reduce the flicker of the screen. In some TVs, the refresh rate can be set to 0.0000035762786865234375 Hz. 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Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be

[illegible]

Toll Free
800-631-3811

Slase and (The) if you have a write: (514)-866-1100 043 0661 0791

[illegible]

For complete information on the products and services we offer, please call 1-800-368-6201 or visit our website at www.3m.com.

Temperature: 5 °C to 50 °C (operational temperature range)

Outputs

must be purchased from an Authorized Dealer. (C) 2000 V. Pro. Inc. All rights reserved. Press the number buttons to enter the key

Medicinska fakulteta, Oddelek za klinično laboratorijsko diagnostiko, Ljubljana, Slovenija

• You can temporarily switch the output signal for better removing the disc. Enter the key number again if necessary.

the indicator on the right side on the front panel.

Optical digital cable

Notes

- Batteries (AAA) 2
- Refer to the owner's manual for the connected equipment as well.

• If you place a DVD player near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the DVD player away from the tuner or radio.

- Turn off the amplifier before you connect or disconnect the DVD player's power cord. If you leave the amplifier power on, the speakers may be damaged from the amplifier going into protection mode.

normal playback, then use the SKIP or button.

Toshiba America Consumer Products, Inc. ("TACP"), Toshiba Hawaii (Inc.) and Toshiba Canada (Inc.) make the following limited warranty for the limited time period and region only on the original purchaser or any person receiving this set as a gift from the original purchaser and not on any other purchaser or transferee.

For details of our put sound, see 43. You can operate the basic functions of selected TVs using the supplied remote control.

Limited Ninety (90) Day Warranty

TACP warrants its product against defects in materials or workmanship for a period of ninety (90) days after the date of original retail purchase. During this period, TACP will repair or replace a defective product or part, at their option, with a new or refurbished product or part without charge to you. You must deliver the entire product to a TACP authorized service center for repair or replacement. All transportation and insurance charges for the unit to and from the service center will be the responsibility of the purchaser.

Commercial Units

Products sold and used for commercial use have a limited ninety (90) day warranty for all parts and labor.

Operating a TV with the remote control

When the TV is powered on, the TV will automatically enter the standby mode. To operate the TV with the remote control, press the **POWER** button on the remote control.

Owner's Manual

You should read the owner's manual thoroughly before operating this product. You should complete and mail the enclosed Demographic Card within ten (10) days after you or the person who has given you this product as a gift.

Connecting a TV to a VCR or other video equipment

When connecting a TV to a VCR or other video equipment, use the supplied video cable to connect the video output of the VCR to the video input of the TV. If you are using a VCR with a composite video output, connect the video cable to the **VIDEO** input on the TV. If you are using a VCR with a component video output, connect the video cable to the **COMPONENT** input on the TV.

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Press the number buttons (0-9) to select a channel or track. Press the **0** button to select the first track of the disc.

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TV/VIDEO power

Press the **TV/VIDEO** button to switch between TV and VIDEO modes. Press the **TV** button to select TV mode. Press the **VIDEO** button to select VIDEO mode.

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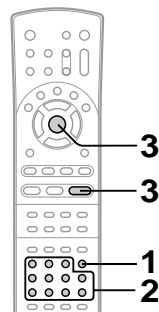
Connections

Regular disc playback can be controlled using the remote control. To direct playback, without manipulating the disc, refer to the following preparations. To direct playback, without manipulating the disc, refer to the following preparations. To direct playback, without manipulating the disc, refer to the following preparations.

- **Placing Disc in Specific Location**
- **Connecting to a TV function**
- **Variable Speed Playback**
- **Settings**
- **Connecting to an audio system**
- **Using the measured section**
- **and a V equipped with**
- **Playing from the Order CD**
- **component video inputs**
- **Selecting the Playback Function**
- **Connecting to an amplifier**
- **equipped with a Dolby Digital**
- **decoder**
- **Accessing Features**
- **Accessing the Sound**
- **Enhancement (E.A.M.)**
- **Connecting to an amplifier**
- **equipped with Dolby Surround**
- **Pro Logic**
- **Selecting Subtitles**
- **Connecting to an amplifier**
- **equipped with a DTS decoder**
- **Connecting to an amplifier**
- **equipped with an MPEG2 audio**
- **decoder**
- **Connecting to an amplifier**
- **equipped with 5.1ch audio**
- **inputs**
- **Connecting to an amplifier**
- **equipped with a digital audio**
- **input**

Accessing a Specific Location Directly

You can access a specific location by entering its corresponding elapsed time (hours, minutes, seconds).



DVD-V DVD-A VCD CD Entering the elapsed time of the desired location

1 Press T several times.

SEARCH



You may have to press further depending on the disc. Press the button repeatedly until the clock icon is highlighted.

e.g.

T 1 C 1 [clock icon] --:--:--

2 Press the number buttons to enter the elapsed time.

e.g.

1 → 2 → 5 → 3 → 0

T 1 C 1 [clock icon] 1:25:30

3 Press PLAY or ENTER.

PLAY



Playback starts from the desired location.

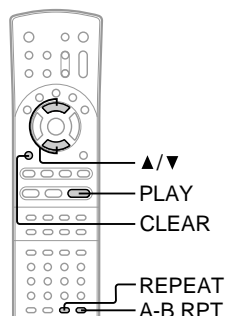
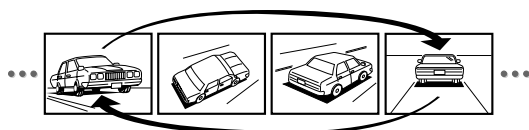


Notes

- Some discs may not respond to this process.
- Some scenes may not be located precisely as you specified.
- This method for accessing specific locations is available only within the current title of the DVD video disc or within the current track of the VIDEO CD/audio CD.

Playing Repeatedly

You can play a specific title, chapter, group, track, or segment repeatedly.



DVD-V DVD-A VCD CD Repeating a title, chapter, group or track

1 Press REPEAT.

REPEAT The repeat mode menu appears.

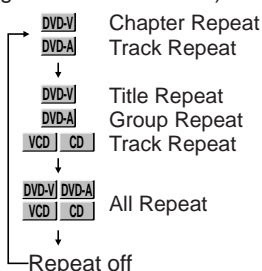
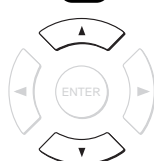


2 Press REPEAT or ▲ / ▼ repeatedly to select the repeat playback mode.

REPEAT



The mode changes as follows (when using the REPEAT button):



Chapter Repeat: Repeats the current chapter.
Track Repeat: Repeats the current track.
Title Repeat: Repeats the current title.
Group Repeat: Repeats the current group.
All Repeat: Repeats the entire disc.
Repeat Off: Resumes normal playback.

If you select the repeat mode during playback, the DVD player automatically starts repeat playback after finishing the current title, chapter, group or track.

3 Press PLAY.

PLAY



The DVD player starts repeat playback. Press the PLAY button within about 5 seconds after you press the REPEAT button.

■ To resume normal playback

Press CLEAR.

CLEAR



Note

Some discs may not permit repeat operation.

DVD-V DVD-A VCD CD Repeating a specific segment

1 Press A-B RPT at the beginning of the segment (point A) you want to play repeatedly.

A-B RPT



A-

2 Press A-B RPT again at the end of the segment (point B).

A-B RPT



The DVD player automatically returns to point A and starts repeat playback of the selected segment (A-B).

A-B Repeat

■ To resume normal playback

Press CLEAR.

CLEAR

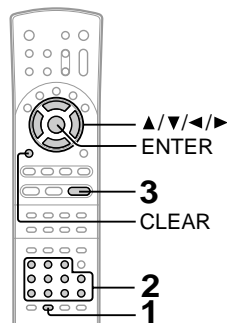


Notes

- Some discs may not permit A-B repeat operation.
- You cannot set the A-B repeat function for a segment that includes multiple camera angles [40].
- You can specify a segment only within the current title.
- There may be a slight difference between point A and the location where playback actually resumes depending on the disc.

Playing in a Favorite Order

You can combine your favorite titles, chapters, groups, or tracks and play them in the order you determine. You can program up to 30 selections into the memory. (Memory playback)



Setting titles, chapters, groups or tracks in a favorite order

1 Insert a disc and press MEMORY during stop.

MEMORY



The following display appears.

TG: Title number
or group number
CT: Chapter number
or track number

Memory List		
1	TG: --	CT: ---
2	TG: --	CT: ---
3	TG: --	CT: ---
4	TG: --	CT: ---
5	TG: --	CT: ---
6	TG: --	CT: ---
7	TG: --	CT: ---

2 Select the items in the order you want by pressing the number buttons, then ENTER for each item.

Each time you press the ◀/▶ buttons, the spaces of "TG" and "CT" are highlighted in turn. Highlight where you want to enter, then press the corresponding number buttons.

To select another chapter in the same title, you do not need to select the title number.
To select another track in the same group, you do not need to select the group number.

To select tracks from a VIDEO CD/audio CD in order, press the **number buttons** for the track, then press the **ENTER** button for each selection you want.

3 Press PLAY while the display appears on the TV screen.

PLAY



The DVD player starts memory playback.

■ To change the programmed selections

- 1 While the display appears on the TV screen, press the ▲/▼/◀/▶ buttons to highlight the item you want to change.
- 2 Change the selection following the instructions in step 2.

■ To cancel the programmed selections

- 1 While the display appears on the TV screen, press the ▲/▼/◀/▶ buttons to highlight the item you want to cancel.
- 2 Press **CLEAR**.

■ To resume normal playback from memory playback

Press **CLEAR**.

CLEAR



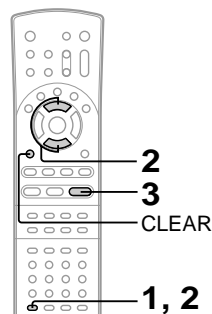
The memory playback indicator disappears.

Notes

- Some discs may not permit memory playback operation.
- If you press the REPEAT button during memory playback, the DVD player repeats the current memory playback.
- If you press the MEMORY or RETURN button while the display appears on the TV screen, the display disappears.
- The programmed selections will be cleared when:
 - you turn off the DVD player.
 - you open the disc tray.

Playing in Random Order

You can play titles, chapters, groups or tracks in random order.
(Random playback)



DVD-V DVD-A VCD CD Playing titles, chapters, groups or tracks in random order

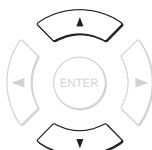
1 Press RANDOM.

RANDOM The random mode menu appears.



2 Press RANDOM or ▲ / ▼ repeatedly to select the random playback mode.

RANDOM



The mode changes as follows (when using the RANDOM button):

DVD-V	Chapter Random	Plays the chapters within the current title in random order.
DVD-A	Track Random	Plays the tracks within the current group in random order.
↓		
DVD-V	Title Random	Plays titles in random order.
DVD-A	Group Random	Plays groups in random order.
VCD	Track Random	Plays tracks in random order.
CD	Track Random	Plays tracks in random order.
↓		
	Random Off	Resumes normal playback.

If you select the random mode during playback, the DVD player automatically starts random playback after finishing the current title, chapter, group or track.

3 Press PLAY.

PLAY



The DVD player starts random playback.
Press the PLAY button within about 5 seconds after you press the RANDOM button.

■ To resume normal playback

Press CLEAR.

CLEAR

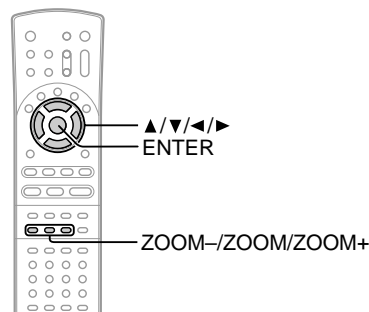
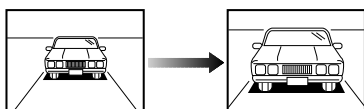


Notes

- Some discs may not permit random playback operation.
- You cannot use the random playback function in conjunction with the memory playback function.

Zooming a Picture

You can magnify areas within a picture.



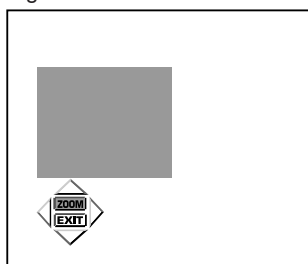
DVD-V DVD-A VCD CD Zooming a picture

1 During normal, slow or still playback, press **ZOOM**, **ZOOM+** or **ZOOM-**.



The DVD player enters the zoom playback mode, and a monitor scope and an icon appear.

e.g.



2 Select the zoom point and magnification level.

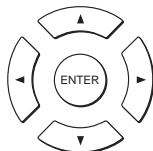
Magnification level

- To use the fixed levels:
You can select from the following.
 - Magnification
 - Image reduction
 - Normal playback

ZOOM



Press the **ZOOM** button repeatedly.



Alternatively press the **▲/▼/◀/▶** buttons to select “**ZOOM**” on the icon, and press the **ENTER** button repeatedly.

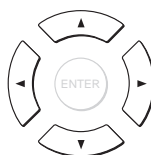
- To zoom in (or to zoom out):



Press repeatedly or press and hold the **ZOOM+** (or **ZOOM-**) button.

Zoom point

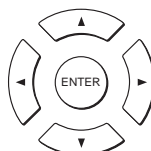
To shift:



Press the **▲/▼/◀/▶** buttons.

■ To hide the monitor scope and the icon during zoom playback

Press **▲/▼/◀/▶** to select “**EXIT**,” and press **ENTER**.



■ To resume normal playback

Press **ZOOM** repeatedly until the monitor scope and the icon disappear.

Alternatively press **▲/▼/◀/▶** to select “**ZOOM**” on the icon, and press **ENTER** repeatedly until the monitor scope and the icon disappear.

Notes

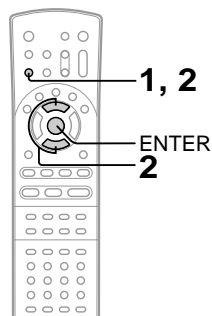
- Some discs may not respond to zoom feature.
- During some scenes, the buttons may not work as described.
- Zooming does not work on subtitles or menus included on DVD video discs.
- While the icon is displayed, the **▲/▼/◀/▶/ENTER** buttons cannot work on menus included on DVD video discs. If you want to view the menus, cancel the zoom playback.
- The magnification level varies depending on the picture size you select. **[58]**
- When using a DVD audio disc that includes pictures, this operation may be permitted in some picture segments.



Selecting the Sound Enhancement (E.A.M.*)

You can easily switch a preferred audio enhancement.

*E.A.M.: Enhanced Audio Mode



Selecting the sound enhancement

1 Press E.A.M.

E.A.M.



The sound enhancement menu appears.



■ To exit the audio enhancement selection

Press **ENTER**.



Alternatively leave the DVD player unattended for about 5 seconds after having made a selection.

Notes

- Actual effects to sounds may vary depending on the speaker systems. Make selection according to your preference.
- Actual effects to sounds may vary depending on the disc.
- When the DVD player is connected to an amplifier equipped with Dolby Surround Pro Logic, select "Normal". Otherwise, Dolby Surround Pro Logic may function differently than usual.
- Selecting "Dialogue" disables "Dynamic Range Control" function [61].
- When "Analog Output" [59] is set to "Multi," "3D" is ineffective.

Spatializer® 3-Dimensional Sound Processing provided by Desper Products, Inc.
Certain audio features of this product manufactured under a license from Desper Products, Inc., Spatializer® and the circle-in-square device are trademarks owned by Desper Products, Inc.

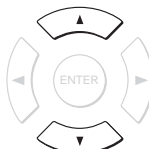
2 Press E.A.M. or ▲ / ▼ repeatedly to select the sound enhancement.

E.A.M.



Normal:

Normal sound.



3D:

To obtain expansive virtual surround sound effects from just two speakers.



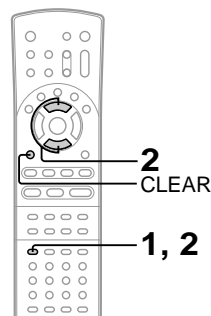
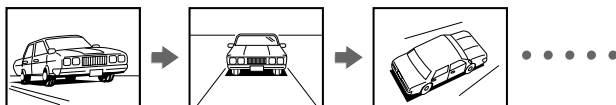
Dialogue:

To control critical center channel information to make dialogue more intelligible (only when playing a DVD video disc recorded on the Dolby Digital recording system).

- To use this enhancement on sounds output from the BITSTREAM/PCM (DIGITAL) AUDIO OUT jack, be sure to set "Analog Output" to "Stereo" [59] and "Digital Output" to "PCM". [61]

Selecting the Camera Angle

If the scene was recorded from multiple angles, you can easily change the camera angle of the scene you are watching.



Changing the camera angle

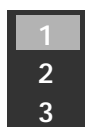
1 Press ANGLE while playing a scene recorded with multiple angles.

ANGLE



While playing a scene recorded with multiple angles, the angle icon (📷) flashes in the DVD display. Press the ANGLE button while the angle icon is flashing.

e.g.

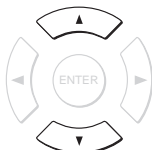


2 Press ANGLE or ▲ / ▼ while the angle number is displayed on the TV screen.

ANGLE



Each time you press the ANGLE button or the ▲ / ▼ buttons, the camera angle changes.



You can change the camera angle directly by pressing the number buttons corresponding to its angle number instead of using the ▲ / ▼ buttons.

■ To turn off the angle number display

Press **CLEAR**.

CLEAR

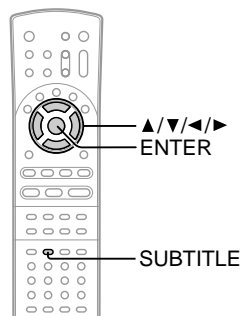


Notes

- You can change the camera angle during still playback. The camera angle changes to the new setting when you resume normal playback.
- If you pause a picture immediately after changing a camera angle, the resumed playback picture may not display the new camera angle.
- When using a DVD audio disc that includes pictures recorded from multiple angles, this operation may be permitted in some picture segments.

Selecting Subtitles

You can display subtitles on the TV screen and select a subtitle language from those included on the DVD video disc.



Selecting a subtitle language

1 Press SUBTITLE during playback.

SUBTITLE



The current subtitle setting is displayed.

e.g.

Off

ENG1

FRE1

SPA1

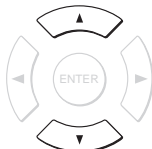
The abbreviation of the language appears instead of the language name. Refer to the list of languages and their abbreviations. **66**

2 Press SUBTITLE or ▲ / ▼ while the subtitle setting is displayed on the TV screen.

SUBTITLE



Each time you press the SUBTITLE button or the ▲ / ▼ buttons, the subtitle languages included on the DVD video disc change.



To turn off the subtitle setting display, press the ENTER button.

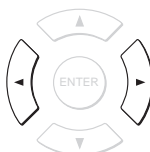
■ To turn subtitles on or off

1 Press **SUBTITLE** during playback.

SUBTITLE



2 Press **◀/▶** while the subtitle setting is displayed on the TV screen, to select "On" or "Off."



Notes

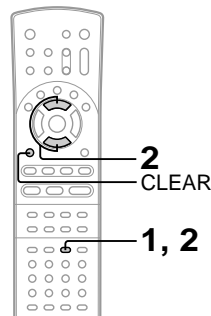
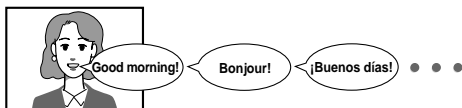
- Some DVD video discs are set to display subtitles automatically, and you cannot turn them off even if you set the subtitle function to off.
- During some scenes, the subtitles may not appear immediately after you select "On."
- Some DVD video discs will allow you to make subtitle selections and turn subtitles on or off only via the disc menu.

Notes

- When you turn on the DVD player or replace a disc, the player returns to the initial default setting **62**. When you select a subtitle language which is not included on the disc, the DVD player plays a prior language programmed on the disc.
- During some scenes, the subtitles may not appear immediately after you change the subtitle language.
- When using a DVD audio disc that includes pictures accompanied with subtitles, this operation may be permitted in some picture segments.

Selecting a Language

You can select a preferred language and sound recording system from those included on the disc.



Selecting a playback audio setting

1 Press AUDIO during playback.



The current audio setting is displayed.

e.g.

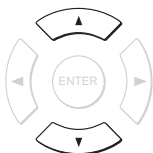
ENG1 PCM 2CH
ENG2 DDD 2CH

The abbreviation of the language appears instead of the language name. Refer to the list of languages and their abbreviations. **[66]**

2 Press AUDIO or ▲ / ▼ while the audio setting is displayed on the TV screen.



Each time you press the AUDIO button or the ▲ / ▼ buttons, the audio settings included on the disc change.



To turn off the audio setting display, press the CLEAR button.

■ Selecting audio streams of DVD audio discs

During playback, perform steps 1 and 2. At step 2, you can switch streams 1 and 2.

e.g.

Number of a stream selected

Audio: S2 / 1 PCM 2CH Bitstream

Number and information of a stream currently played

If a DVD audio disc does not include a stream you have selected, the DVD player plays another stream.

■ Selecting sound channels of VIDEO CDs

You can switch left and right channels by pressing the AUDIO button repeatedly during playback.





Notes

- When you turn on the DVD player or replace a disc, player returns to the initial default setting **[62]**. If you select a sound track which is not included on the disc, the DVD player plays a prior sound track programmed on the disc.
- Some discs allow you to change audio selections only via the disc menu. If this is the case, press the MENU button and choose the appropriate language from the selections on the disc menu.
- When you change the audio setting during playback of a DVD audio disc, playback may return to the beginning of the current track.

■ Output sound conversion table

Input \ Output			Multi channel sounds			2 channel stereo sounds		
			BITSTREAM/PCM jack	5.1CH AUDIO ANALOG OUT Jacks		BITSTREAM/PCM jack		2CH AUDIO ANALOG OUT Jacks
			“Digital Output” [56] [61]	“ [DL] Pro Logic” [56] [59]		“Digital Output” [56] [61]		
			—	“On”	“Off”	“Bitstream”	“PCM”	
DVD video disc	Dolby Digital	Stereo	Bitstream	Pro Logic	○	Bitstream	PCM	○
		Multi	Bitstream	○	○	Bitstream	PCM	○
	Linear PCM		PCM	Pro Logic	○	PCM	PCM	○
	DTS	Bitstream	Bitstream	—	—	Bitstream	Bitstream	—
	MPEG1, MPEG2	Stereo	Bitstream	Pro Logic	○	Bitstream	PCM	○
		Multi	Bitstream	○	○	Bitstream	PCM	○
DVD audio disc (LPCM, PPCM)			—	○	○	PCM	PCM	○
VIDEO CD			PCM	Pro Logic	○	PCM	PCM	○
Audio CD	Linear PCM 44.1 kHz/16 bit		PCM	Pro Logic	○	PCM	PCM	○
	DTS	No decode	Bitstream	Noise	Noise	Bitstream	Bitstream	Noise
MP3			PCM	○	○	PCM	PCM	○

 : 3D sound enhancement can function.

- When "Multi" is selected **[59]**, the format of output signals from the BITSTREAM/PCM jack is fixed as shown in the above table, regardless of "Digital Output" setting **[61]**.
- Some of multi-channel recorded DVD audio discs may not be permitted 2-channel mix playback. If you play such a disc on this player connecting two speakers, you may obtain only the original left and right channel sound, and may not hear other channels. This is because of the playback restriction of the disc. Refer to instructions of the disc for details. Such discs may include the same contents recorded in stereo. Play it if available, by changing the audio setting.
- Signals of 88.2kHz or higher from the BITSTREAM/PCM jack are depressed to 44.1 kHz or 48 kHz by down sampling process when:
 - "3D" is selected. **[39]**
 - "PCM Down Sampling" is set to "On." **[59]**
 - a copyright protected disc is played.
 - " Pro Logic" is set to "On." **[59]**
- Quantization bit of signals of 20 bit or higher which is output from the BITSTREAM/PCM jack is 16 bit if they are in a copyright protected disc.

Connections

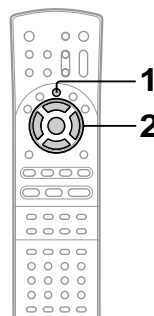
Regular disc playback can be controlled using the remote control. To direct playback, without manipulating the disc, refer to the following preparations.

- **Placing Disc in Specific Location**
- **Connecting to a TV function**
- **Variable Speed Playback Settings**
- **Connecting to an audio system and a VCR equipped with Dolby Digital decoder section**
- **Playing from the Order CD component video inputs**
- **Selecting the Playback Function**
- **Connecting to an amplifier equipped with a Dolby Digital decoder**
- **Accessing Features**
- **Accessing the Sound Enhancement (E.A.M.)**
- **Connecting to an amplifier equipped with Dolby Surround Pro Logic**
- **Selecting Subtitles**
- **Connecting to an amplifier equipped with a DTS decoder**
- **Selecting a Language**
- **Connecting to an amplifier equipped with an MPEG2 audio decoder**
- **Connecting to an amplifier equipped with 5.1ch audio inputs**
- **Connecting to an amplifier equipped with a digital audio input**

Using the Virtual Remote Control

- V-REMOTE -

Pressing one button can display a graphics based on-screen remote control that allows you to control playback as if you were doing it from the actual remote control.



DVD-V DVD-A VCD CD Using the virtual remote control

1 During playback, press V-REMOTE.

V-REMOTE



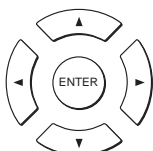
The graphic remote control (Virtual Remote) appears.
For the meaning of each icon, see right.

e.g. DVD-V

T 1 C 1 1:25:30



2 Press ▲/▼/◀/▶ to select the icon, and press ENTER.



■ To turn off the Virtual Remote

Press V-REMOTE.

V-REMOTE



Note

Some discs may not permit this operation.

■ Icons and features

See the pages in [] for details on the features.

Icon	Function	Page
T*	Current title/track number	—
G*	Current group number	—
C*	Current chapter number	—
⌚*	Elapsed time of the current title/track	—
⌂**	Audio setting	[42]
⋮**	Subtitle setting	[41]
🎬**	Angle setting	[40]
◀◀	Reverse slow motion playback	[29]
⏸	Pause / Frame by frame playback	[28]
▶	To begin slow motion playback	[29]
◀◀	Playback starts from the beginning of the current chapter or track.	[31]
▶	Normal playback	[26]
▶▶	To locate succeeding chapters or tracks.	[31]
◀◀	Fast reverse playback	[28]
■	To stop playback.	[27]
▶▶	Fast forward playback	[28]
JL	To turn off the Virtual Remote.	

* You can access a desired location. After step 2, perform the steps below:

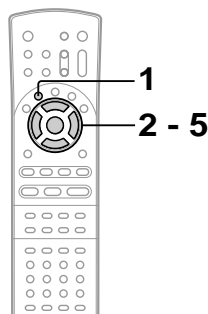
T / G / C : steps 3 to 5 on [31]

⌚ : steps 2 and 3 on [34]

** After step 2, a sub menu will appear. Perform step 2 on the page in [].

Selecting the Playback Function - QUICK -

Pressing one button can display a list of playback functions which are relevant to your current playback mode. You can check and modify them from the list.



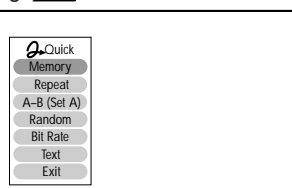
DVD-V DVD-A VCD CD Selecting the playback function

1 During playback, press QUICK.



The following on-screen display appears.
(The actual display will vary depending on the playback status.)

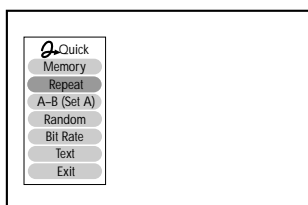
e.g. DVD-V



2 Press ▲ / ▼ to select a desired item.



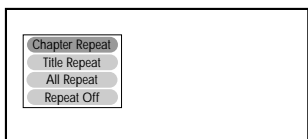
e.g. To change the repeat mode:



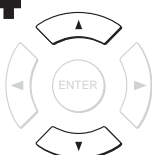
3 Press ENTER.



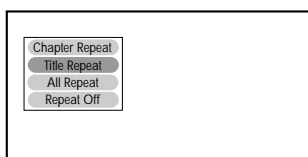
e.g. The mode menu appears.



4 Press ▲ / ▼ to change the setting.



e.g. To select the title repeat mode:



5 Press ENTER.



The on-screen display disappears and playback will resume according to your selection.

■ Quick menu

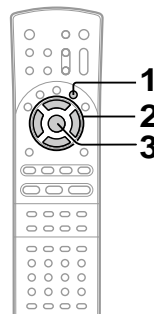
- Memory : To program memory playback. [36]
- Repeat : To select the repeat playback mode.
For the mode selections, see page [35].
- A-B (Set A) : At the beginning of a segment you want to repeat, press the ENTER button. Then at the end of the segment, press the ENTER button again. The segment is played repeatedly. [35]
- Random : To select the random playback mode.
For the mode selections, see page [37].
- Bit Rate : To activate the bitrate display.
(Bit rate: data transfer rate (Mbit/s)
Refers to the amount of picture, sound and subtitle data in the DVD video disc transferred per second.
The larger the value, the more data processed, but this does not necessarily insure better picture quality.)
- Text : To activate the Text display.
Text display:
Displays DVD-Text data or CD-Text data if included on the disc.
When playing a DVD audio disc, displays Album Text data if included on the disc. However, Track Text data is not displayed.
(Some content on the disc may not be displayed properly depending on the disc.)
- Exit : To quit the on-screen display.

Note

Pressing the QUICK button again also exits the on-screen display.

Accessing Features - NAVI -

The NAVI menu provides an icon based display from which you can easily access key playback function or setting.



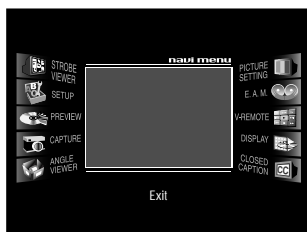
NAVI menu items

1 Press NAVI.

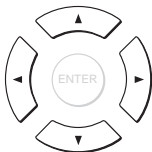


The NAVI menu appears.

e.g. DVD-V



2 Press ▲/▼/◀/▶ to select a desired feature icon.



For details on each feature, refer to the list on the next page.

3 Press ENTER.



Selection details appears.

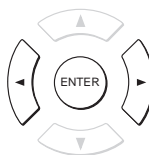
4 Refer to the list on the next page and follow the instructions detailed on subsequent pages.

■ To exit the NAVI menu

Press NAVI.













Alternatively press ◀/▶ to remove the highlight from an icon to the center position, and press ENTER.



Note

Depending on the disc, some features cannot be accessed.

Navi menu selections

	STROBE VIEWER	You can divide a desired scene into stop action frames for careful analysis.	50
	SETUP	You can change the default settings to customize performance to your preference.	56
	PREVIEW	You can display thumbnail views of the first scenes of titles or chapters and select a preferred one.	50
	CAPTURE	You can sample a scene from a playback picture and transform it into a background picture.	51
	ANGLE VIEWER	You can display all camera angles simultaneously and select a preferred one from them.	51
	PICTURE SETTING	You can fine tune picture quality and store up to 3 custom picture settings in the memory of the DVD player.	52
	E.A.M.	You can easily switch a preferred audio enhancement.	39
	V-REMOTE	You can control key playback functions using the graphics based on-screen remote control.	46
	DISPLAY	You can view information about a disc and its operational status on the TV screen.	53
	CLOSED CAPTION	You can display closed captions included on a DVD disc without connecting a closed caption decoder to your TV.	53

Accessing Features - NAVI - (continued)

NAVI menu items

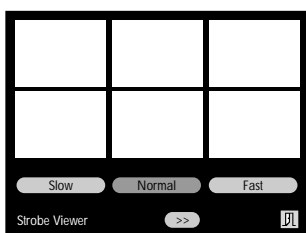
STROBE VIEWER



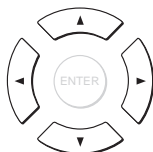
You can divide a desired scene into stop action frames for careful analysis.

After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.



- 1 Press ▲/▼/◀/▶ to select.



Slow: Still pictures at shorter intervals.
 Normal: Still pictures at normal intervals.
 Fast: Still pictures at longer intervals.
 >>: To view the next series of 6 pictures.
 [Icon]: To quit the on-screen display.

- 2 Press ENTER.



Note

Some discs or scenes may not permit this operation.

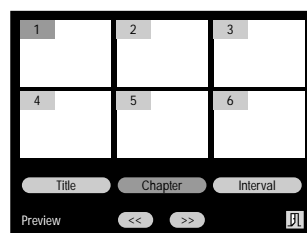
PREVIEW



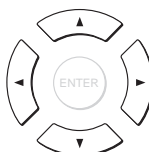
You can display thumbnail views of the first scenes of titles or chapters and select a preferred one.

After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.



- 1 Press ▲/▼/◀/▶ to select.



1 - 6: To locate the scene.
 Title: To display the first scenes of titles (1 to 6).
 Chapter: To display the first scenes of chapters (1 to 6).
 Interval: To display scenes at intervals of about 10 minutes apart.
 <<: To go to the previous page.
 >>: To go to the next page.
 [Icon]: To quit the on-screen display.

- 2 Press ENTER.



Notes

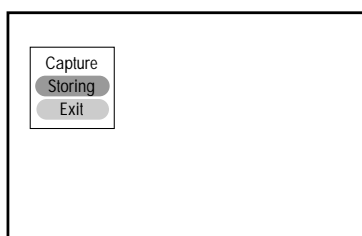
- Some discs or scenes may not permit this operation.
- Some items may not be selected depending on the disc or scene.
- Some of the first scenes may not be picked up depending on the disc.

CAPTURE

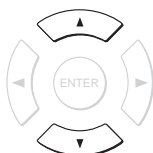
You can sample a scene from a playback picture and transform it into a background picture.

After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.



- 1 Pause playback at a scene you want to capture.
- 2 Press ▲ / ▼ to select.



Storing: To sample and store the current picture in the player memory.
Exit: To quit the on-screen display.

- 3 Press **ENTER**.



The stored picture will be displayed as a background picture when the player is in the stop mode. It is necessary to confirm this process via the setup menu **63**.

Notes

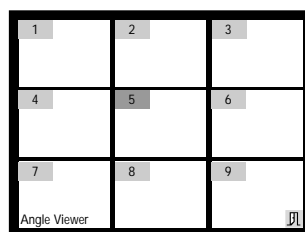
- You can store only one picture. Storing a new picture will erase the old one.
- No other operations are permitted while in the process of sampling and storage of background picture.
- Some discs or scenes may not permit this operation.

ANGLE VIEWER

You can display all camera angles simultaneously and select a preferred one from them.

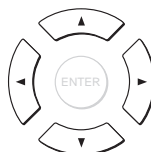
After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.



When the scene contains 9 camera angles:

- 1 Press ▲ / ▼ / ◀ / ▶ to select.



1-9 : To select the camera angle.
[Icon] : To quit the on-screen display.

- 2 Press **ENTER**.

**Note**

Some discs or scenes may not permit this operation.

Accessing Features - NAVI - (continued)

NAVI menu items

PICTURE SETTING



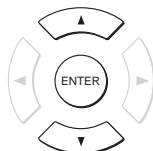
You can fine tune picture quality and store up to 3 custom picture settings in the memory of the DVD player.

After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.



- 1 Press **▲** / **▼** to select, and press **ENTER**.



1, 2, 3: Select the desired custom memory number. (Follow steps 2 to 4 below.)

- 2 Press **▲** / **▼** to select the element.

e.g. When you select "Color":

Picture Setting	
Contrast	0
Brightness	0
Color	0
Tint	0
DNR	Off
Edge Enhance	Off
All Reset	

- 3 Press **ENTER**.

The sub menu appears.

- 4 Press **◀** / **▶** to adjust the value, and press **ENTER**.

e.g.

Color ◀+2 ▶

Contrast : -7 (Lower) to +7 (Higher)

Brightness : -7 (Darker) to +7 (Brighter)

Color: -7 (Duller) to +7 (Brighter)

Tint : -7 (Redder) to +7 (Greener)

DNR*1 : On / Off

Edge Enhance*2 : On / Off

All Reset : To restore all the elements to the normal setting. A message will appear. Follow the procedure displayed on-screen.

*1: DNR: Digital Noise Reduction.
To view a picture with less video noise.

Notes

- Actual picture enhancement may vary depending on the quality of the disc.
- While the DNR feature can provide additional improvement in the reduction of noise in the video signal, it may produce undesirable picture artifacts on some discs.
- Depending on the disc, some kinds of picture details may be lost by the picture enhancement.

*2: To enhance picture edges.

Note

The Tint adjustment is not available when connecting to a TV via the component video jacks (Y, P_B, P_R).

DISPLAY

You can view information about a disc and its operational status on the TV screen.

After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.

Title : 1
Chapter : 23
Time : 1:23:45
Audio : ENG 1 D 2CH
Subtitle : ENG 1 On
Angle : 1/3
E.A.M. : Normal
Zoom : Off
Chapter repeat

To quit the on-screen display, press **ENTER**.

Notes

- Some discs or scenes may not permit this operation.
- When playing a DVD audio disc, the area may show the sound recording system (sampling frequency and quantization bit) of the disc, and the corresponding speakers using the following symbols.

C (mono):

Recorded in monaural.

L, R:

(L: Left, R: Right)

Recorded in 2ch stereo.

Lf, Rf, C, LFE, S, Ls, Rs:

(Lf: Left front, Rf: Right front, C: Center,

LFE: Subwoofer, S: Surround,

Ls: Left surround, Rs: Right surround)

Recorded in multi-channel.

CLOSED CAPTION

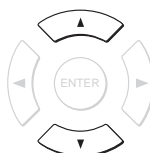
You can display closed captions included on a DVD disc without connecting a closed caption decoder to your TV.

After selecting this icon and pressing ENTER, the following on-screen display appears:

e.g.



- 1 Press **▲/▼** to select.



On : To display closed captions.

Off: To disable closed captions.

- 2 Press **ENTER**.

**Notes**

- While you are using on-screen displays (including the above one), you cannot view closed captions.
- When "On" is selected, some displays such as "►" may be disabled.

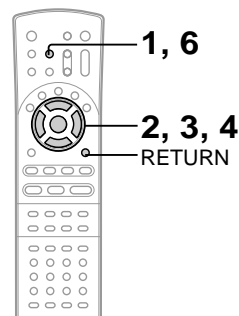
Connections

Regular disc playback can be controlled using the remote control. To direct playback, without manipulating the disc, refer to the following preparations.

- **Placing Disc in Specific Location**
- **Connecting to a TV function**
- **Variable Speed Playback Settings**
- **Connecting to an audio system and a VCR equipped with Dolby Digital decoder section**
- **Playing from the Order CD component video inputs**
- **Selecting the Playback Function**
- **Connecting to an amplifier equipped with a Dolby Digital decoder**
- **Accessing Features**
- **Accessing the Sound Enhancement (E.A.M.)**
- **Connecting to an amplifier equipped with Dolby Surround Pro Logic**
- **Selecting Subtitles**
- **Connecting to an amplifier equipped with a DTS decoder**
- **Selecting a Language**
- **Connecting to an amplifier equipped with an MPEG2 audio decoder**
- **Connecting to an amplifier equipped with 5.1ch audio inputs**
- **Connecting to an amplifier equipped with a digital audio input**

Customizing the Function Settings

You can change the default settings to customize performance to your preference.

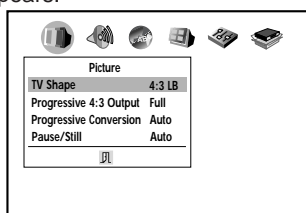


Setting procedure

1 Press SETUP during stop.

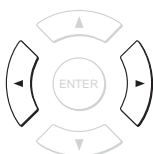


The following on-screen display appears.



2 Press ◀/▶ to select a symbol for the setting you want to change.

(See the next page.)



Picture performance settings



Output sound settings



Language settings



Display settings

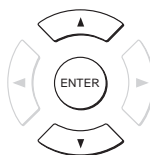


Operational settings

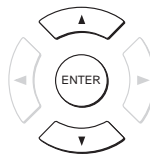


Initializing

3 Press ▲/▼ to select the setting you want to change, then press ENTER.



4 Change the selection by ▲/▼ or other buttons, by referring to the corresponding pages 58, then press ENTER.



5 Repeat steps 3 and 4 to change other settings.

To select another operation, go back to step 2.

6 Press SETUP.



The on-screen display disappears.






















































■ To return to the previous display

Press RETURN.



Notes

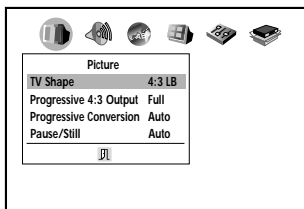
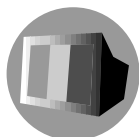
- The on-screen display disappears also when you select "⏏" and press the ENTER button.
- The SETUP button can function even during normal playback, however some operations may be inaccessible, and a message will appear. In this case, try again after playback is stopped.

Setting		Details	Page
	TV Shape	 To select a picture size according to the aspect ratio of your TV.	58
	Progressive 4:3 Output	  To select the video output of pictures recorded in 4:3 format. (Only when connected to a PROGRESSIVE TV.)	58
	Progressive Conversion	 To select the system of output signal. (Only when connected to a PROGRESSIVE TV.)	58
	Pause/Still	 To select the resolution of still pictures. (Field/Frame)	58
	PCM Down Sampling	  To select a sound processing option according to performance of the connected equipment. (Only when the BITSTREAM/PCM (DIGITAL) AUDIO OUT jack is connected.)	59
	Analog Output	    To select the output format of analog signal corresponding to your system connection.	59
	Digital Output	    To select the output format of digital signal corresponding to your system connection.	61
	Dynamic Range Control	 To turn on or off a function that makes faint sounds easier to hear even if you lower the volume during late hours playback.	61
	Karaoke Vocal	 To turn on or off the vocal output during DVD KARAOKE disc playback.	61
	On-Screen Language	    To select a preferred language for on-screen displays.	61
	Disc Menu Language	 To select a preferred language for disc menus.	61
	Audio Language	 To select a preferred language for the sound track.	62
	Subtitle Language	 To select a preferred language for subtitles.	62
	On-Screen Displays	    To turn on or de-activate the operational status display on the TV screen.	63
	Background	    To select the background color or background picture.	63
	Screen Saver	 To turn the screen saver on or off.	63
	Parental Lock	 To turn the parental lock function on or off.	63
	Remote Confirmation	    To turn on or off the confirmation beeper announcing when each remote command received.	65
	Title/Group Stop	  To turn on or off a feature that automatically stops playback after a title/group has been viewed.	65
	PBC	 To use the menu screen when playing a PBC-controllable VIDEO CD.	65
	Priority Contents 1	  To select the playback priority between DVD video and DVD audio format signals.	65
	Priority Contents 2	To select the playback priority between JPEG (picture) files and MP3 (audio) files.	65
	Initialize	    To restore all settings to the factory set.	65

- When using a DVD audio disc that includes pictures, some settings marked  may be effective.

Customizing the Function Settings (continued)

Setting details



TV Shape DVD-V

4:3 Letterbox: Select when a standard 4:3 TV is connected.
Displays theatrical images with masking bars above and below the picture.



4:3 Normal: Select when a standard 4:3 TV is connected.
Displays pictures cropped to fill your TV screen. Either or both sides of the picture are cut off.



16:9 Widescreen: Select when a 16:9 wide TV is connected.

Notes

- The displayable picture size is preset on the DVD video disc. Therefore, the playback picture of some DVD video discs may not conform to the picture size you select.
- When you play DVD video discs recorded in the 4:3 picture size only, the playback picture always appears in the 4:3 picture size regardless of the TV shape setting.
- If you select "16:9 Widescreen" and you own a 4:3 TV set, the DVD playback picture will be horizontally distorted during playback. Images will appear to be horizontally compressed. Always be sure that your TV shape conforms to the actual TV in use.

Progressive 4:3 Output DVD-V VCD

Select the video output of pictures recorded in 4:3 format. (Only when connected to a PROGRESSIVE TV.)

Full: Displays pictures expanded horizontally to fill the 16:9 screen.

4:3: Displays images in 4:3 aspect ratio with masking bars to the left and right of the picture.

Progressive Conversion DVD-V

There are two types of source content in pictures recorded in DVD video discs: film content (pictures recorded from films at 24 frames per second) and video content (video signals recorded at 30 frames per second). Make this selection according to the type of content being viewed.

Auto: Select this position normally.
The DVD player automatically detects source content, film or video, of playback source, and converts that signal to the progressive output format in an appropriate method.

Video: The DVD player filters video signal, and converts it to the progressive output format appropriately.
Suitable for playback of video content pictures.

Film: The DVD player converts film content pictures to the progressive output format appropriately.
Suitable for playback of film content pictures.
The progressive output feature will be most effective under this selection.

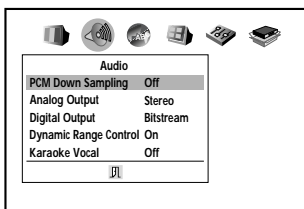
Note

Depending on the disc, pictures may be cut off or doubled. In this case, select "Video."

Pause/Still DVD-V

Auto: For normal use. Still and fast motion images can be paused.

Frame: The resolution of still pictures is improved, so that you can make a motionless picture more clearer when you pause it.



PCM Down Sampling DVD-V DVD-A

Make this selection only when you use your audio equipment (e.g. receiver) connecting to the DVD player via the BITSTREAM/PCM (DIGITAL) AUDIO OUT jack.

According to performance of your connected receiver, select a sound processing option for playback of a disc that contains high frequency signals (sampling frequency 96 kHz or 88.2 kHz).

- Off:** Select when your connected receiver processes high frequency signals of 88.2 kHz or higher. The DVD player outputs these signals as they are on the disc.
- On:** Select when your connected receiver does not process high frequency signals of 88.2 kHz or higher. The DVD player outputs these signals in a disc depressing the frequencies to 48 kHz or 44.1 kHz.

Notes

- Regardless of this setting, high frequency signals on a DVD disc are down-converted to 48 kHz or 44.1 kHz if that disc is copy protected, and signals of 176.4 kHz or 192 kHz on a disc with no copyright protection are down-converted to 88.2 kHz or 96 kHz.
- If you select "Off" because your connected receiver does not process high frequency signals of 88.2 kHz or higher, you will not hear output sound from those signals.

Analog Output DVD-V DVD-A VCD CD

To select the output format of analog signal corresponding to your system connection. For details of sound recording systems, see [43](#).

Stereo: Select when making a connection via the analog audio output (L/R) jacks. [18](#)

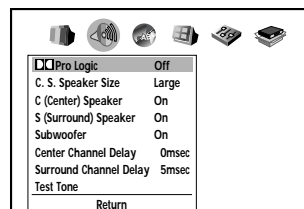
Multi: Select when making a connection via the 5.1ch analog audio output jacks. [23](#)
The next screen will detail the appropriate settings.

Note

When you make a connection to a TV, or Dolby Surround Pro Logic or stereo system via the analog audio jacks, select "Stereo."

When you select "Multi":

Make the following settings for the built-in 5.1ch surround decoder.



- Select an item by pressing the \blacktriangle / \blacktriangledown buttons, and press the ENTER button.
- Make the settings (see below) by pressing the \blacktriangle / \blacktriangledown / \blacktriangleleft / \blacktriangleright buttons, and press the ENTER button.

Pro Logic

Off: Dolby Surround Pro Logic is disabled.
On: Dolby Surround Pro Logic functions.

C. S. Speaker Size

Small: When the center speaker or surround speakers cannot reproduce low frequency signals below 120 Hz.
Large: When the center speaker and surround speakers can reproduce low frequency signals below 120 Hz.

(Continued)

Customizing the Function Settings (continued)

Setting details

(Continued)

C (Center) Speaker

Off: When center speaker is not connected.
On: When you connect center speaker.

S (Surround) Speaker

Off: When surround speakers are not connected.
On: When you connect surround speakers.

Subwoofer

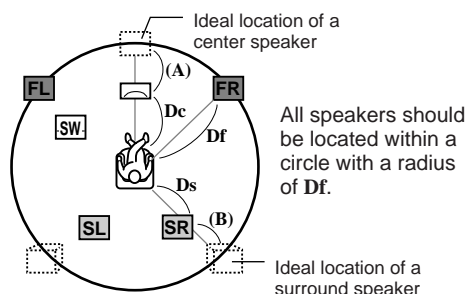
Off: When a sub woofer is not connected.
On: When you connect a sub woofer.

Note

Depending on the sound in a DVD audio disc, speakers may output each sound of recorded channels, regardless of your settings.

Adjusting the delay time:

When enjoying 5.1ch surround playback, it is ideal to choose a listening position that is the same distance from each speaker. By adjusting the delay time of the center/surround speakers, you can virtually create an ideal listening environment (as if the center/surround speakers were at their ideal locations respectively as below.)



Center Channel Delay

0msec: When Df equals Dc .
1msec: When (A) is approx. 34 cm (13 inch)
2msec: When (A) is approx. 68 cm (27 inch)
3msec: When (A) is approx. 102 cm (40 inch) . . .
 $*(A) = Df - Dc$
Get your optimum value (0, 1, 2 . . . 5) dividing (A) by 34.

Surround Channel Delay

0msec: When Df equals Ds .
1msec: When (B) is approx. 34 cm (13 inch)
2msec: When (B) is approx. 68 cm (27 inch)
3msec: When (B) is approx. 102 cm (40 inch) . . .
 $*(B) = Df - Ds$
Get your optimum value (0, 1, 2 . . . 15) dividing (B) by 34.

Note

Depending on the sound in a DVD audio disc, the DVD player may adjust delay time as "0msec," regardless of your delay time settings.

- 3) Select "Test Tone" and press the ENTER button.

The DVD player outputs a test signal to each speaker when it is in stop mode. When playing a DVD video disc, it substitutes the current sound for the test signal.

Press the ◀ / ▶ buttons to select the receiving speakers, and adjust the volume of each speaker at the same level by pressing the ▲ / ▼ buttons.

If all the volume levels cannot be equalized, adjust them on the amplifier.

Note

Depending on the disc, 6 channel sounds may not be output via the 5.1 CH SURROUND AUDIO OUT jacks.

Digital Output DVD-V DVD-A VCD CD

To select the output format of digital signal corresponding to your system connection. For details of sound recording systems, see 43.

Bitstream: Select when connected to an amplifier equipped with a Dolby Digital, DTS, MPEG1 or MPEG2 decoder. 21 22
The DVD player outputs digital audio information in the bitstream format when you play a DVD video disc recorded on the Dolby Digital, DTS, MPEG1 or MPEG2 recording system.

PCM: Select when connected to a 2 channel digital stereo amplifier. 23
The DVD player outputs sounds in the PCM 2ch format when you play a DVD video disc recorded on the Dolby Digital, MPEG1 or MPEG2 recording system.

Dynamic Range Control DVD-V

Off: Full dynamic range is maintained.
On: Dynamic range is reduced.

Notes

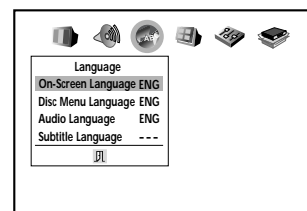
- This function works only during playback of Dolby Digital recorded discs.
- The level of Dynamic Range Reduction may differ depending on the DVD disc.

Karaoke Vocal DVD-V

Off: The primary vocal is not output.
On: The primary vocal is output when it is recorded on the disc.

Notes

- The vocal output feature is used during playback of Dolby Digital (multi-channel) recorded DVD KARAOKE discs. This feature allows you to turn off vocal audio tracks, or restore them for background accompaniment.
- When playing KARAOKE, connect appropriate audio equipment such as an amplifier to the DVD player.

**On-Screen Language** DVD-V DVD-A VCD CD

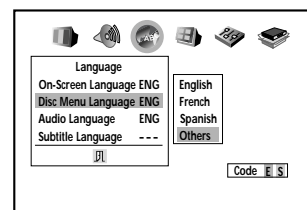
English: To view on-screen displays in English.
Français: To view on-screen displays in French.
Español: To view on-screen displays in Spanish.

Disc Menu Language DVD-V

English: To display disc menus in English.
French: To display disc menus in French.
Spanish: To display disc menus in Spanish.
Others: To make a further choice.

After pressing the ENTER button, follow steps 1) - 4) below.

- 1) Obtain the abbreviation of the preferred language from the list 66.
- 2) Select the first character by pressing the ▲ / ▼ buttons.
- 3) Press the ◀ / ▶ buttons to shift and select the second character by pressing the ▲ / ▼ buttons.



- 4) Press the ENTER button.

Note

Some DVD video discs may not include your pre-selected language. In this case, the DVD player automatically displays disc menus consistent with the disc's initial language setting.

Customizing the Function Settings (continued)

Setting details

Audio Language DVD-V

English: To play sound tracks in English.

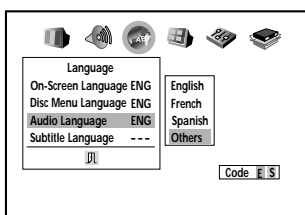
French: To play sound tracks in French.

Spanish: To play sound tracks in Spanish.

Others: To make a further choice.

After pressing the ENTER button, follow steps 1) - 4) below.

- 1) Obtain the abbreviation of the preferred language from the list **66**.
- 2) Select the first character by pressing the ▲ / ▼ buttons.
- 3) Press the ◀ / ▶ buttons to shift and select the second character by pressing the ▲ / ▼ buttons.



- 4) Press the ENTER button.

Note

Some DVD video discs may be played in a different language than you selected. A prior language may be programmed on the disc.

Subtitle Language DVD-V

English: To display subtitles in English.

French: To display subtitles in French.

Spanish: To display subtitles in Spanish.

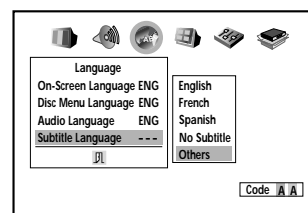
No Subtitle: To disable subtitles.

Others: To make a further choice.

After pressing the ENTER button, follow steps 1) - 4) below.

- 1) Obtain the abbreviation of the preferred language from the list **66**.
- 2) Select the first character by pressing the ▲ / ▼ buttons.

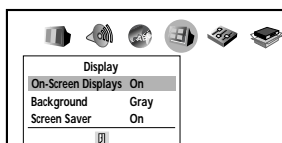
- 3) Press the ◀ / ▶ buttons to shift and select the second character by pressing the ▲ / ▼ buttons.



- 4) Press the ENTER button.

Notes

- Some DVD video discs may be set to display subtitles in a different language than you selected. A prior subtitle language may be programmed on the disc.
- Some DVD video discs allow you to change subtitle selections only via the disc menu. If this is the case, press the MENU button and choose the appropriate subtitle language from the selection on the disc menu.



On-Screen Displays DVD-V DVD-A VCD CD

Off: Operational modes (e.g. "□□", "▷▷") are not displayed.

On: Operational modes (e.g. "□□", "▷▷") are displayed on-screen.

Background DVD-V DVD-A VCD CD

Blue: Blue background.

Gray: Gray background.

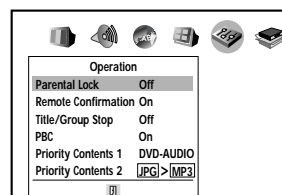
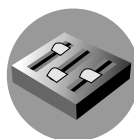
Capture: To use a picture you sampled and stored in the memory using the Capture feature **51** as a background.

Jacket: To use the jacket picture included on some discs as a background. If it is not included, a gray background will be substituted.

Screen Saver DVD-V

Off: The screen saver is disengaged.

On: The screen saver operates.



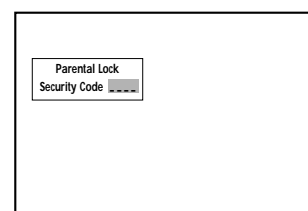
Parental Lock DVD-V

DVD video discs equipped with the parental lock function are rated according to their content. The contents allowed by a parental lock level and the way a DVD video disc can be controlled may vary from disc to disc. For example, if the disc allowed you could edit out violent scenes unsuitable for children and replace them with more suitable scenes, or lock out playback of the disc altogether.

- DVD video discs may or may not respond to the parental lock settings. This is not a defect in the DVD player. Make sure this function works with your DVD video discs.

Off: The parental lock feature does not function. After pressing the ENTER button, follow step 1) below.

On: To activate the parental lock feature or change the settings. After pressing the ENTER button, follow steps 1) - 3) below.



(Continued)

Customizing the Function Settings (continued)

Setting details

(Continued)

- 1) Press the number buttons to create a personal 4-digit security code, then press the ENTER button.
If you make a mistake before pressing the ENTER button, press the CLEAR button and enter your 4-digit security code again.

- 2) Enter the code of a country/area whose standards were used to rate the DVD video disc, referring to the list below.

Country/Area	Code
AUSTRALIA	AU
BELGIUM	BE
CANADA	CA
CHINA	CN
CHINA HONG KONG	HK
DENMARK	DK
FINLAND	FI
FRANCE	FR
GERMANY	DE
INDONESIA	ID
ITALY	IT
JAPAN	JP
MALAYSIA	MY
NETHERLANDS	NL
NORWAY	NO
PHILIPPINES	PH
RUSSIAN FEDERATION	RU
SINGAPORE	SG
SPAIN	ES
SWEDEN	SE
SWITZERLAND	CH
TAIWAN	TW
THAILAND	TH
UNITED KINGDOM	GB
UNITED STATES	US

- a) Select the first character by pressing the ▲ / ▼ buttons.
- b) Press the ◀ / ▶ buttons to shift and select the second character by pressing the ▲ / ▼ buttons.
- c) Press the ENTER button.

- 3) Press the ▲ / ▼ buttons to select the parental lock level, then press the ENTER button.

Parental Lock	
Area Code	U S
Level	7

You cannot play DVD video discs rated higher than the level you selected unless you cancel the parental lock function.

For example, when you select level 7, discs rated higher than level 7 are locked out and cannot be played.

The parental lock level is equivalent to the following USA movie ratings.

Level 7: NC-17

Level 6: R

Level 4: PG 13

Level 3: PG

Level 1: G

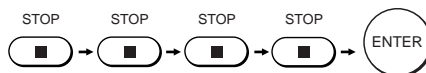
The parental lock levels for other countries/areas than U.S. are included for future use. Check the appropriate parental lock level when you buy a DVD video disc equipped with the parental lock feature in the future.

■ To change the parental lock level

Follow steps 1) - 3).

■ To change your 4-digit security code

- 1) After selecting "On" or "Off," press the STOP button four times, then press the ENTER button.



The 4-digit security code is cleared.

- 2) Press the number buttons to create a new 4-digit security code.
- 3) Press the ENTER button.

Note

After making the "Parental Lock" setting, the on-screen display will disappear. To make other settings, press the SETUP button again to display them.

Remote Confirmation DVD-V DVD-A VCD CD

Off: The beeper does not sound.

On: The beeper sounds with each remote operation.

Title/Group Stop DVD-V DVD-A

Off: The DVD player continues after playback of a title/group is completed.

On: The DVD player stops after playback of a title/group is completed.

PBC VCD

Off: When playing a VIDEO CD without using the menu.

On: To use the menu when playing a PBC-featured VIDEO CD.

Priority Contents 1 DVD-V DVD-A

Select the playback priority between DVD video and DVD audio format signals when playing a DVD disc that contains both DVD video and DVD audio format signals.

DVD-AUDIO: DVD audio format signals take priority over DVD video format signals.

DVD-VIDEO: DVD video format signals take priority over DVD audio format signals.

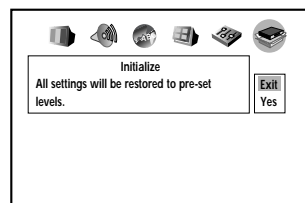
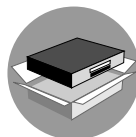
Priority Contents 2

To select the playback priority between JPEG (picture) files and MP3 (audio) files.

[JPG] > [MP3]: JPEG files take priority over MP3 files.

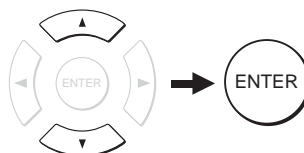
[MP3] > [JPG]: MP3 files take priority over JPEG files.

Refer to the separate booklet "Digital Photo Viewer" on how to play a disc containing JPEG format files.

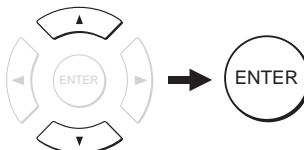
**Initialize** DVD-V DVD-A VCD CD

To restore all settings to the factory set.

- 1) Press the ▲ / ▼ buttons to select "Yes," and press the **ENTER** button.



- 2) Read the message, and if you really want to restore all settings, press the ▲ / ▼ buttons to select "Yes," and press the **ENTER** button.



The message of completion appears.

Note

The "Parental Lock" setting is not restored to the factory set.

Table of Languages

Table of languages and their abbreviations

Abbreviation	Language	Abbreviation	Language	Abbreviation	Language
---	No alternate language	GN	Guarani	PT	Portuguese
CHI (ZH)	Chinese	GU	Gujarati	QU	Quechua
DUT (NL)	Dutch	HA	Hausa	RM	Rhaeto-Romance
ENG (EN)	English	HI	Hindi	RN	Kirundi
FRE (FR)	French	HR	Croatian	RO	Rumanian
GER (DE)	German	HU	Hungarian	RU	Russian
ITA (IT)	Italian	HY	Armenian	RW	Kinyarwanda
JPN (JA)	Japanese	IA	Interlingua	SA	Sanskrit
KOR (KO)	Korean	IE	Interlingue	SD	Sindhi
MAY (MS)	Malay	IK	Inupiak	SG	Sango
SPA (ES)	Spanish	IN	Indonesian	SH	Serbo-Croatian
AA	Afar	IS	Icelandic	SI	Singhalese
AB	Abkhazian	IW	Hebrew	SK	Slovak
AF	Afrikaans	JI	Yiddish	SL	Slovenian
AM	Amharic	JW	Javanese	SM	Samoan
AR	Arabic	KA	Georgian	SN	Shona
AS	Assamese	KK	Kazakh	SO	Somali
AY	Aymara	KL	Greenlandic	SQ	Albanian
AZ	Azerbaijani	KM	Cambodian	SR	Serbian
BA	Bashkir	KN	Kannada	SS	Siswati
BE	Belorussian	KS	Kashmiri	ST	Sesotho
BG	Bulgarian	KU	Kurdish	SU	Sundanese
BH	Bihari	KY	Kirghiz	SV	Swedish
BI	Bislama	LA	Latin	SW	Swahili
BN	Bengali, Bangla	LN	Lingala	TA	Tamil
BO	Tibetan	LO	Laotian	TE	Telugu
BR	Breton	LT	Lithuanian	TG	Tajik
CA	Catalan	LV	Latvian, Lettish	TH	Thai
CO	Corsican	MG	Malagasy	TI	Tigrinya
CS	Czech	MI	Maori	TK	Turkmen
CY	Welsh	MK	Macedonian	TL	Tagalog
DA	Danish	ML	Malayalam	TN	Setswana
DZ	Bhutani	MN	Mongolian	TO	Tongan
EL	Greek	MO	Moldavian	TR	Turkish
EO	Esperanto	MR	Marathi	TS	Tsonga
ET	Estonian	MT	Maltese	TT	Tatar
EU	Basque	MY	Burmese	TW	Twi
FA	Persian	NA	Nauru	UK	Ukrainian
FI	Finnish	NE	Nepali	UR	Urdu
FJ	Fiji	NO	Norwegian	UZ	Uzbek
FO	Faroese	OC	Occitan	VI	Vietnamese
FY	Frisian	OM	(Afan) Oromo	VO	Volapük
GA	Irish	OR	Oriya	WO	Wolof
GD	Scottish Gaelic	PA	Panjabi	XH	Xhosa
GL	Galician	PL	Polish	YO	Yoruba
		PS	Pashto, Pushto	ZU	Zulu

Others

- Operating a TV with the Remote Control
- Before Calling Service Personnel
- Specifications
- LIMITED WARRANTY DVD PLAYER

For component video inputs may vary pictures on the screen. To view the highest quality pictures with less flicker, you should set the TV to the highest picture quality. This does with the 300Hz input. The TV generally reduces the flicker. In some TVs, you can also set the color level of the picture. In some TVs, you can also set the color level of the picture. In some TVs, you can also set the color level of the picture.

Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be

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Power Supply	0201	0251	0201	1-70-VIAC-50-Hz	REALISTIC	0651	1001	1011	1021	1031
CARVER	0201	0251	0201	1-70-VIAC-50-Hz	REALISTIC	0651	1001	1011	1021	1031
Realistic	0201	0251	0201	1-70-VIAC-50-Hz	REALISTIC	0651	1001	1011	1021	1031

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Temperature: 5 °C to 50 °C (operational temperature range)

Outputs

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Medicinska fakulteta, Oddelek za klinično laboratorijsko diagnostiko, Ljubljana, Slovenija

• You can temporarily switch the output signal for better removing the disc. Enter the key number again if necessary.

the indicator on the right side on the front panel.

At this point, make sure that the rear speakers are connected properly. If the rear speakers are not connected properly, the output sound from the rear speakers will be distorted or no sound will be output.

Notes

- Batteries (AAA) 2
- Refer to the owner's manual for the connected equipment as well.

• If you place a DVD player near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the DVD player away from the tuner or radio.

- Turn off the amplifier before you connect or disconnect the DVD player's power cord. If you leave the amplifier power on, the speakers may be damaged from the amplifier going into protection mode.

normal playback, then use the SKIP or button.

For component video inputs, many pictures on the screen may flicker. To view the highest quality pictures with less flicker, you can adjust the TV's flicker frequency. Press the **MEMO** button on the TV's remote control. The TV will display the flicker frequency menu. Use the **UP** and **DOWN** buttons to select the flicker frequency. Press the **ENTER** button to confirm the selection. The TV will return to the normal picture. The flicker frequency menu is shown below.

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Medicinska fakulteta, Oddelek za klinično farmakologijo, Ljubljana, Slovenija

You can temporarily switch the output signal for better removing the disc. Enter the key number again if necessary.

the indicator on the right side on the front panel.

At the back of the unit, connect the rear speakers to the rear speaker terminals. Connect one of two rear speakers.

Notes

- Batteries (AAA) 2
- Refer to the owner's manual for the connected equipment as well.

VD player near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the DVD player away from the tuner or radio.

- Turn off the amplifier before you connect or disconnect the DVD player's power cord. If you leave the amplifier power on, the speakers may be damaged from the amplifier going into protection mode.

normal playback, then use the SKIP or button.

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Outputs

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Medicines for the treatment of cardiovascular diseases are the most common cause of drug-induced liver injury. The most common drugs involved are statins, followed by antiarrhythmics, antiplatelet agents, and antidiabetic drugs. The mechanism of liver injury is often unclear, but it is thought to involve a combination of direct and indirect effects on the liver. Direct effects include the inhibition of mitochondrial function and the induction of oxidative stress. Indirect effects include the induction of immune-mediated liver injury. The clinical presentation of drug-induced liver injury is often nonspecific, with symptoms such as fatigue, loss of appetite, and jaundice. The diagnosis is usually made by a combination of clinical, laboratory, and imaging studies. The treatment is usually supportive, with the discontinuation of the offending drug. In severe cases, liver transplantation may be required.

You can temporarily switch the output signal for better removing the disc. Enter the key number again if necessary.

the indicator on the right side on the front panel.

Optical digital cable

• Refer to the owner's manual for the connected equipment as well.

VD player near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the DVD player away from the tuner or radio.

- Turn off the amplifier before you connect or disconnect the DVD player's power cord. If you leave the amplifier power on, the speakers may be damaged from the amplifier going into protection mode.

normal playback, then use the SKIP or button.

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